ELSEVIER

Biological Psychology 40 (1995) 327–328

International Journal of HEMATOLOGY

Volume contents

Volume 40 (1995)

Numbers 1,2

Special issue: EEG in Basic and Applied Settings

Preface vii

W. Skrandies, Visual information processing: topography of brain electrical activity 1

P. Ullsperger, K. Grune, Processing of multi-dimenensional stimuli: P300 component of the event-related brain potential during mental comparison of compound digits 17

L.J. Trejo, A.F. Kramer, J.A. Arnold, Event-related potentials as indices of display-monitoring performance 33

J. Hohnsbein, M. Falkenstein, J. Hoormann, Effects of attention and time-pressure on P300 subcomponents and implications for mental workload research 73

A.F. Kramer, L.J. Trejo, D. Humphrey, Assessment of mental workload with task-irrelevant auditory probes 83

E.R. John, P. Easton, Quantitative electrophysiological studies of mental tasks 101

M.B. Sterman, C.A. Mann, Concepts and applications of EEG analysis in aviation performance evaluation 115

A. Gundel, J. Drescher, H. Maaß, A. Samel, M. Vejvoda, Sleepiness of civil airline pilots during two consecutive night flights of extended duration 131

L.D. Montgomery, R.W. Montgomery, R. Guisado, Rheoencephalographic and electro-encephalographic measures of cognitive workload: analytical procedures 143

J.J. Westerkamp, R. Williams, Adaptive estimation of single response evoked potentials 161

A. Gevins, H. Leong, R. Du, M.E. Smith, J. Le, D. DuRousseau, J. Zhang, J. Libove, Towards measurement of brain function in operational environments 169

A.T. Pope, E.H. Bogart, D.S. Bartolome, Biocybernetic system evaluates indices of operator engagements in automated task 187

0301-0511/95/$09.50 © 1995 Elsevier Science Ireland Ltd. All rights reserved

J. Caldwell, Assessing the impact of stressors on performance: observations on levels of analyses 197

J.C. Miller, Batch processing of 10 1000 h of truck driver EEG data 209

S.M. Rokicki, Psychophysiological measures applied to operational test and evaluation 223

M.W. Haas, Virtually-augmented interfaces for tactical aircraft 229

G.F. Wilson, F. Fisher, Cognitive task classification based upon topographic EEG data 239

Number 3

J.L. Harte, G.H. Eifert, R. Smith, The effects of running and meditation on beta-endorphin, corticotropin-releasing hormone and cortisol in plasma, and on mood 251

W. Skrandies, T. Rammsayer, The perception of temporal structure and auditory evoked brain activity 267

A.C. Neubauer, H.H. Freudenthaler, Ultradian rhythms in cognitive performance: no evidence for a 1.5-h rhythm 281

H. Hornsveld, B. Garssen, P. van Spiegel, Voluntary hyperventilation: the influence of duration and depth on the development of symptoms 299

S.J. Laukka, T. Järvilehto, Y.I. Alexandrov, J. Lindqvist, Frontal midline theta related to learning in a simulated driving task 313

Announcements 321
Author index 323
Subject index 325
Volume contents 327